Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/17/2020 10:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125261	0	2.42	125468	2.51
Blue	F	SSC	125000	125269	0	2.10	126120	1.99
Blue	E	FITC	15892	15604	-2	2.83	338	20.92
Blue	D	PE	29999	29483	-2	2.01	643	14.89
Blue	B	PerCP-Cy5-5	43732	43615	-1	3.77	1165	20.57
Blue	A	PE-Cy7	30845	30897	0	6.31	588	43.17
Red	C	APC	46112	44937	-3	2.54	1587	12.40
Red	A	APC-Cy7	30458	29542	-4	2.57	783	12.23
Violet	B	V450	7918	7592	-5	4.09	433	12.24
Violet	A	V500	32171	30933	-4	3.85	726	10.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17075	12.75	637	16	N/A	N/A	Pass
Blue	F	SSC	57294	1.35	578	19	N/A	N/A	Pass
Blue	E	FITC	61	64.02	551	8	0.0176	77	Pass
Blue	D	PE	134	50.96	556	8	0.1650	298	Pass
Blue	B	PerCP-Cy5-5	216	51.02	664	8	0.0090	86	Pass
Blue	A	PE-Cy7	109	106.44	709	11	0.0097	15	Pass
Red	C	APC	377	25.86	591	7	0.0232	139	Pass
Red	A	APC-Cy7	173	29.05	562	6	0.0053	900	Pass
Violet	B	V450	65	57.39	458	0	0.0648	2389	Pass
Violet	A	V500	109	29.94	474	0	0.0234	322	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.96	-32.62	1.05
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.41
Red	15.78	13.60 - 20.40	N/A	N/A	30.04	30.44	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 9881

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments